Kadhirash Sivakumar

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Professional Summary

Full-stack software engineer with 4+ years at General Motors, specializing in scalable backend systems, cloud-native services, and front-end performance optimization. Known for translating product goals into secure, reliable APIs and fast, modern UX.

Core Skills

Languages & Frameworks: Java, Spring Boot, Python, JavaScript, TypeScript, Angular, AngularJS, React Native
Backend & Cloud: REST APIs, Microservices, AWS, Docker, CI/CD Pipelines
Databases & Tools: PostgreSQL, CodeQL, Git, Jenkins, IntelliJ, VS Code, MATLAB

Professional Experience

General Motors — Austin, TX Jan 2021 – Aug 2025
Back-End Software Engineer Apr 2023 – Aug 2025

- Improved customer onboarding reliability with 90%+ test coverage and reduced error rates by designing and deploying scalable account registration APIs in Java and Spring Boot.
- Raised security standards across GM by leading the first enterprise-wide rollout of CodeQL CLI, scanning hundreds of repositories and remediating vulnerabilities.
- Accelerated feature delivery by 20% and reduced production bottlenecks by developing and integrating microservices that support high-volume business workflows.
- Increased scalability and reduced maintenance overhead by refactoring heavy-traffic legacy backend modules into modern, service-oriented architectures.
- Delivered user-friendly vehicle management features in Garage-Lite, GM's customer garage platform, by maintaining and migrating APIs to Java 21 and integrating car images from external APIs and repositories.

Front-End Software Engineer Apr 2022 – Apr 2023

- Improved page performance with up to 30% faster load times by migrating customer-facing web apps from AngularJS to Angular with modular and reusable components.
- Accelerated feature delivery by 50% by building a reusable vehicle overview component that became a foundation for other developers.
- Enhanced team collaboration and delivery pace by organizing monthly virtual sessions that strengthened cross-team communication.

Education

University of California, Riverside B.S. Computer Science, 2020
Undergraduate Researcher, Dept. of Mathematics

- Developed MATLAB tooling to generate graphs tracking cancer patient data for research visualization.